#### (19) World Intellectual Property Organization

International Bureau





## (43) International Publication Date 22 July 2004 (22.07.2004)

**PCT** 

# (10) International Publication Number WO 2004/061848 A1

(51) International Patent Classification<sup>7</sup>: G1 27/34, G06F 17/30, G10H 1/00

G11B 27/10,

(21) International Application Number:

PCT/EP2003/013164

(22) International Filing Date:

24 November 2003 (24.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03290019.3

6 January 2003 (06.01.2003) EP

- (71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46 Quai A. le Gallo, F-92100 Boulogne-Billancourt (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TAZINE, Nour-Eddine [FR/FR]; 22 rue des clos Blancs, F-35530 Noyal sur Vilaine (FR). VIGOUROUX, Jean-Ronan [FR/FR]; 12

rue Jean Guéhenno, F-35700 Rennes (FR). **GRASLAND, Izabela** [FR/FR]; Péguin, F-35580 Guichen (FR).

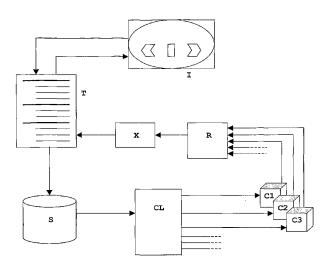
- (74) Agent: RITTNER, Karsten; Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### **Published:**

with international search report

[Continued on next page]

(54) Title: METHOD FOR CREATING AND ACCESSING A MENU FOR AUDIO CONTENT WITHOUT USING A DISPLAY



(57) Abstract: A method for creating a menu (T) for audio content, e.g. music tracks, uses means (CL) for classifying the audio content into clusters (C1, ,C3) of similar tracks, the similarity referring to physical, perceptual and psychological features of the tracks. The method comprises a means (R) for automatic representative selection for clusters (C1, ,C3), and a means (X) for generating thumbnail representations of audio tracks. Said audio thumbnails are associated to the menu (T). Advantageously, no graphical or textual display is required for navigation, since the user may listen to an audio thumbnail and then enter a command, e.g. by pressing an appropriate button, for either listening to the related track or a similar track belonging to the same cluster, or listening to another type of music by selecting another thumbnail representing another cluster.



### WO 2004/061848 A1



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.